COBRA1 (D6K9A) Rabbit mAb						BISignaling CHNOLOGY® 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324)	
1489					Web:	info@cellsignal.com cellsignal.com	
#				3 Trask	Lane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only.	Not for Use in	-					
Applications: WB, IP, ChIP, ChIP-seq	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit IgG	UniProt ID: #Q8WX92	Entrez-Gene Id: 25920	
Product Usage Information	For 10 ⁶	For optimal ChIP and ChIP-seq results, use 10 μ l of antibody and 10 μ g of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.					
	Ар	plication			Dilution		
	We	estern Blotting			1:1000		
	Im	munoprecipitation			1:50		
		romatin IP			1:50		
	Ch	romatin IP-seq			1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensit	col	BRA1 (D6K9A) Rabb	it mAb recognize	s endogenous levels o	of total COBRA1 prot	ein.	
Species predicted to react based on 100% sequence homology:		Hamster, Bovine					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human COBRA1 protein.					
Background	THI RN/ add a cr TEF RN/ con are Coff of th exp recu	L (NELF-C/D), and N A Polymerase II (RN/ itional signaling to re itical regulatory point f-b) phosphorylation APII (3,4). WHSC2 is tains an RNA binding integral subunits that actor of BRCA1 (COI ne tumor suppressor ression of estrogen r	VELF-E (1). NELF APII) elongation ro sume transcriptio during transcriptio of both NELF and thought to conne motif that is neco toring WHSC2 ar BRA1, NELF-B) w protein BRCA1 (7 eceptor-α target g	on and is signaled by I the carboxy-terminal act the NELF complex essary for NELF funct ind NELF-E together in vas first identified as a 7). COBRA1 is a modu genes (8,9). COBRA1	ensitivity inducing fau moter proximal paus f RNAPII from promo positive transcription domain (CTD) withir to RNAPII machiner ion (1,5,6). TH1L, tog the NELF complex (factor that interacts ulator of ligand deper expression is reduced	ctor (DSIF), inhibits ing, where it waits oter proximal pausing is a elongation factor (p- a the largest subunit of y, while NELF-E gether with COBRA-1, (1). with the BRCT domain adent and independent	
Background Refer	2. N 3. Y 4. B 5. Y 6. Y 7. Y 8. A 9. A	arita, T. et al. (2003) lechaev, S. and Adelr amaguchi, Y. et al. (1 uratowski, S. (2009) amaguchi, Y. et al. (2 amaguchi, Y. et al. (2 e, Q. et al. (2001) <i>J</i> (iyar, S.E. et al. (2007) un, J. et al. (2008) <i>J</i>	man, K. (2011) <i>Bi</i> .999) <i>Cell</i> 97, 41- <i>Mol Cell</i> 36, 541- 2001) <i>Science</i> 293 2002) <i>Mol Cell Bio</i> <i>Cell Biol</i> 155, 911- 1) <i>Genes Dev</i> 18, 7) <i>Oncogene</i> 26, 2	ochim Biophys Acta 1 51. 6. 3, 124-7. 7 22, 2918-27. -21. 2134-46. 2543-53.	809, 34-45.		

1/1/24, 8:23 AM Species Reactivity	COBRA1 (D6K9A) Rabbit mAb (#14894) Datasheet Without Images Cell Signaling Technology Species reactivity is determined by testing in at least one approved application (e.g., western blot).			
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	WB: Western Blotting IP: Immunoprecipitation ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq			
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 			
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. SimpleChIP is a registered trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.			
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.			
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.			